

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L3	32	L1 OR L2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 22:22
L2	9	((BEATRICE) near2 (BONVALOT)).INV.	US-PGPUB; USPAT	OR	ON	2009/10/09 22:22
L1	29	((ROBERT) near2 (LEYDIER)).INV.	US-PGPUB; USPAT	OR	ON	2009/10/09 22:22
S88	190	(chip OR die) WITH (die- attach Or "die attach") WITH metallization	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 15:18
S87	7	("5166772" "5317195" "5557142" "6086979" "6261919").PN. OR ("6448632").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/10/09 10:52
S86	6	S85 AND (rough\$4 OR irregularit\$3)	US-PGPUB; USPAT	OR	ON	2009/10/09 10:09
S85	45	(US-20030122209-\$ or US- 20070262422-\$ or US- 20090160830-\$ or US- 20030160301-\$ or US- 20010032995-\$ or US- 20080265421-\$ or US- 20080142932-\$ or US- 20080135989-\$ or US- 20080105966-\$ or US- 20080093712-\$ or US- 20080045063-\$ or US- 20080029890-\$ or US- 20070296087-\$).did. or (US-4712129-\$ or US- 5552630-\$ or US-5424574- \$ or US-5070378-\$ or US- 4771015-\$ or US-3969751- \$ or US-5463232-\$ or US- 5394014-\$ or US-5886364- \$ or US-5605847-\$ or US- 4849797-\$ or US-5233211- \$ or US-5686980-\$ or US- 6008877-\$ or US-5811797- \$ or US-6208447-\$ or US-	US-PGPUB; USPAT	OR	ON	2009/10/09 10:08

		5534056-\$ or US-2977477-\$ or US-4103297-\$ or US-4940888-\$ or US-4953007-\$ or US-5061978-\$ or US-5068697-\$ or US-5091229-\$ or US-5118924-\$ or US-5317195-\$.did. or (US-6323550-\$ or US-6448632-\$ or US-6455770-\$ or US-6933597-\$ or US-4970565-\$ or US-6315423-\$.did.				
S84	5	257/659.ccls. AND ((irregularit\$3 OR rough OR roughness) WITH (light OR electromagnetic OR radiation OR reflect\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 09:57
S83	36	S79 AND ((irregularit\$3 OR rough OR roughness) WITH (light OR electromagnetic OR radiation OR reflect\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 09:53
S82	33	S79 AND ((irregularit\$3 OR rough OR roughness) WITH (light OR electromagnetic OR radiation))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 09:49
S81	16	S79 AND ((irregularit\$3 OR rough OR roughness) WITH (deflect\$3 OR reflect\$3 OR scatter\$3) WITH (light OR electromagnetic OR radiation))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 09:47
S80	17	S79 AND ((irregularit\$3 OR rough OR roughness) WITH (shield\$3 OR reflect\$3 OR scatter\$3) WITH (light OR electromagnetic OR radiation))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 09:44
S79	2225	S77 OR S78	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 09:44
S78	1300	S76 AND ("257" OR "438"). clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 09:44

S77	1526	S76 AND (semiconductor OR die OR chip) .ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 09:44
S76	18387	electromagnetic WITH radiation WITH (protect\$3 OR shield\$3 OR block\$3 OR attenuat\$3 OR reduc\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 09:44
S75	25	S73 AND ((irregularit\$3 OR rough OR roughness) WITH (shield\$3 OR reflect \$3 OR scatter\$3) WITH (light OR electromagnetic OR radiation))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 09:42
S74	17	S73 AND ((irregularit\$3 OR rough OR roughness) WITH (shield\$3 OR reflect \$3) WITH (light OR electromagnetic OR radiation))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 09:41
S73	5816	dop\$3 WITH concentration WITH ("10.sup.17" OR "10.sup.18" OR "10.sup.19" OR "10.sup.20")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 09:41
S72	17	S67 AND ((irregularit\$3 OR rough OR roughness) WITH (shield\$3 OR reflect \$3) WITH (light OR electromagnetic OR radiation))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 09:31
S71	33	S68 AND (irregularit\$3 OR rough OR roughness)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 09:26
S70	34	S68 AND (IR OR infra-red OR infrared)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 08:18

S69	52	S68 AND (UV OR ultraviolet OR ultra-violet)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 07:57
S68	108	S67 AND ((shield\$3 OR protec\$4) NEAR2 (electromagnetic OR radiation OR UV OR light))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 07:38
S67	5816	dop\$3 WITH concentration WITH ("10.sup.17" OR "10.sup.18" OR "10.sup.19" OR "10.sup.20")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/09 07:38
S66	12	S62 AND ((protect\$3 OR shield\$3) WITH (light OR electromagnetic) WITH dop\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/06 14:55
S65	2	("5394011").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/06 14:20
S64	3	S62 AND ((protect\$3 OR shield\$3) WITH (light OR electromagnetic) WITH attack\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/06 14:15
S63	1162	S62 AND ((protect\$3 OR shield\$3) WITH (light OR electromagnetic))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/06 14:14
S62	3098	S59 OR S60	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/06 14:04

S60	2172	(257/e23.114).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/06 14:04
S59	1270	(257/659).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/10/06 14:04
S54	21	("2977477" "4652755" "4820016" "4944936" "5008143" "5037476" "5106437" "5152229" "5190583" "5215580" "5232970" "5238607" "5256191" "5280169" "5317454" "5318628"). PN. OR ("5534056").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/09/11 10:28
S53	25	S49 AND S52	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/11 10:18
S52	5788	dop\$3 WITH concentration WITH ("10.sup.17" OR "10. sup.18" OR "10.sup.19" OR "10.sup.20")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/11 10:18
S51	7	S49 AND ((silicon OR semiconductor) WITH layer WITH (affix\$3 OR attach\$3 OR glu\$3 OR adhesive OR resin) WITH active)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/11 10:15
S50	3	S49 AND ((protect\$3 OR shield\$3) WITH (irregular \$4 OR roughness))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/11 10:14
S49	2205	S47 OR S48	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/11 10:14

S48	1288	S46 AND ("257" OR "438"). clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/11 10:13
S47	1513	S46 AND (semiconductor OR die OR chip). ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/11 10:13
S46	18262	electromagnetic WITH radiation WITH (protect\$3 OR shield\$3 OR block\$3 OR attenuat\$3 OR reduc\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/11 10:13
S45	201	S44 AND ((processor OR micro\$1processor) WITH memor\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/10 22:20
S44	3816	S43 AND (dop\$3 WITH silicon)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/10 22:19
S43	5788	dop\$3 WITH concentration WITH ("10.sup.17" OR "10. sup.18" OR "10.sup.19" OR "10.sup.20")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/10 22:19
S42	490	((dopant OR doping OR P OR phosphorous) WITH (shield\$3 OR protect\$3) WITH electromagnetic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/10 21:00
S41	7	S34 AND ((dopant OR doping OR P OR phosphorous) WITH (shield \$3 OR protect\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/10 20:58

S40	33	dop\$3 WITh (semiconductor OR silicon) WITH concentration WITH electromagnetic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/10 20:51
S39	20	dop\$3 WITh (semiconductor OR silicon) WITH shield\$3 WITH electromagnetic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/10 20:36
S38	15	S35 AND (layer WITH (shield\$3 OR protect\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/10 20:24
S37	5	S35 AND ((dopant OR doping OR P OR phosphorous) WITH (shield \$3 OR protect\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/10 20:22
S36	2166	(257/e23.114).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/09/10 20:21
S35	17	S34 AND shield\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/09/10 20:14
S34	121	(257/439).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/09/10 20:13
S32	2	("20060043551").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/14 12:55

S31	483	(257/726).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/10/14 10:34
S30	2	("5811797").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/09/04 09:56
S29	113	S28 AND ("257" OR "438"). clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/04 09:56
S28	1717	(light OR electromagnetic OR infrared OR radiation) WITH (shield\$3 OR block\$3 OR protect\$3) WITH (irregularities OR roughness OR texture)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/04 09:41
S27	20	(light OR electromagnetic) WITH (shield\$3 OR block\$3 OR protect\$3) WITH (irregularities OR roughness OR texture) WITH silicon	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/04 09:41
S26	16	(light OR electromagnetic) WITH (shield\$3 OR block\$3 OR protect\$3) WITH (irregularities OR roughness OR texture) WITH silicon	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/04 09:38
S20	166	(light OR electromagnetic) WITH (shield\$3 OR block\$3 OR protect\$3) WITH dop\$4 WITH silicon	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/04 09:34
S25	177	S24 AND (doping OR dopant)	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/04 09:11
S24	286	S18 AND infrared	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/04 09:11
S23	0	(light OR electromagnetic) WITH (shield\$3 OR block\$3 OR protect\$3) WITH dop\$4 WITH silicon WITH infrared	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/04 09:10
S22	20	("4609930" "5233211" "5237196" "5352907"). PN. OR ("5886364").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/04 07:21

S21	91	S20 AND ("257" OR "438"). clas.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/04 07:15
S19	607	S18 AND ("257" OR "438"). clas.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/04 07:14
S18	1370	(light OR electromagnetic) WITH (shield\$3 OR block\$3 OR protect\$3) WITH dop\$4	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/04 07:14
S17	29	("4069497" "4104676"). PN. OR ("4712129").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/04 07:10
S16	479	(257/435).ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/31 16:21
S7	23	S6 AND (257/435).ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/31 16:21
S15	15	(second OR another) WITH (semiconductor OR silicon OR Si) WITH (layer OR chip OR die) WITH (cover\$3 OR seal\$3 OR attach\$3) WITH active WITH (side OR surface) WITH (protec\$3 OR block\$3 OR prevent) WITH (light OR electromagnetic)	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/31 16:07
S14	36	("4373167" "4696021" "4717945" "4814848" "4982252" "5028972" "5045906").PN. OR ("5463232").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/31 16:05
S13	2	("5463232").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/31 15:58
S12	5	("5771110").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/31 15:58
S6	1189	((substrate OR chip OR die) WITH (additional OR another OR second) WITH silicon WITH layer) AND ((protect\$3 OR shield\$3 OR block\$3) WITH (light OR electromagnetic)) AND ("257" OR "438").clas.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/31 15:55

S11	34	("3535469" "3569997" "3581161" "3609475" "3622419" "3748546" "3771149" "3801880" "3821616").PN. OR ("3969751").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/31 13:51
S10	1179	S6 AND (second WITH silicon)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/31 13:09
S8	2	("6695214").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/31 13:08
S5	11	("3925081" "3925801" "3969751" "4320174" "4771088" "4803543" "4933744").PN. OR ("5031017").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/31 09:27
S4	17	("4633573" "4674175" "4680617" "4712129" "4758875" "4785338" "4803543" "4953002" "5031017" "5043534").PN. OR ("5394014").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/31 09:16
S3	4365	(257/726,678,679).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/30 17:08
S2	5	((("5394014") or ("5804827")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/30 17:08
S1	13	((("5714802") or ("5394014") or ("6229165") or ("3619614")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/30 17:05

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